

FEB 28 1956

AR87  
 LISTING STATEMENT No. 1889A  
 Replacing Listing Statement No. 1889

LISTED JANUARY 27th, 1956  
 3,000,00 shares without par value  
 Ticker abbreviation GEO  
 Dial ticker number 249  
 Post section 3.3

# TORONTO STOCK EXCHANGE

## LISTING STATEMENT

### GEO-SCIENTIFIC PROSPECTORS LIMITED

Incorporated as a Private Company by Letters Patent dated April 13th, 1952. Converted into a Public Company by Supplementary Letters Patent dated February 1st, 1954.

1. Address of the Company's Head Office and of any other offices:  
 Room 1202, 50 King Street West, Toronto 1, Ontario.

2. Officers of the Company:

OFFICE HELD	NAME	ADDRESS	OCCUPATION
President	Norman Bell Keevil	Lorne Park, Ontario	Mining Geophysicist
Vice-President	Clare Mansell Jephcott	323 Rosemary Road, Toronto, Ontario	Chemist
Secretary-Treasurer	D. R. Michener	5 Rosedale Road, Toronto, Ontario	Barrister-at-Law
Asst. Sec.-Treasurer	James L. C. Jenner	6 Hartfield Road, Toronto, Ontario.	Barrister-at-Law

3. Directors of the Company:

NAME	ADDRESS	OCCUPATION
Norman Bell Keevil	Lorne Park, Ontario	Mining Geophysicist
Clare Mansell Jephcott	323 Rosemary Road, Toronto, Ontario	Chemist
William Justus Keough Vanston	40 Wall Street, New York, N.Y., U.S.A.	Special Partner, White, Weld & Co.
John Bradley Streit	38 Croydon Road, Toronto, Ontario	Financier
Joseph Anthony Hackett	28 Alexandra Wood, Toronto, Ontario	Manager

**NOTE:**

At the Annual Meeting of the Shareholders of the Company held January 30th, 1956, the number of directors was increased from five to seven and the following directors were elected to hold office until the next Annual Meeting:

N. B. Keevil, Geophysicist, Toronto; C. M. Jephcott, Chemist, Toronto; W. J. K. Vanston, Special Partner, White, Weld & Co., New York; R. J. Breckenridge, Stock Broker, Toronto; G. L. Jennison, Stock Broker, Toronto; A. W. T. Freakes, Mining Engineer, New York; and D. A. Perigoe, Mining Underwriter, Lorne Park, Ontario.

4. Names and addresses of all transfer agents:

Chartered Trust Company, 34 King Street West, Toronto 1, Ontario.

5. Particulars of any fee charged upon transfer other than customary government taxes:  
 None.

6. Names and addresses of all registrars:

Chartered Trust Company, 34 King Street West, Toronto 1, Ontario.

7. Amount of authorized capital: 3,000,000 shares without nominal or par value.

8. Number of shares and par value: 3,000,000 shares without nominal or par value.

9. Full details of all shares issued in payment for properties or for any other assets other than cash:

June 17, 1952.....	350,000	207 mining claims in the Temagami area of the Province of Ontario acquired for the price of \$112,000.00, fully paid and satisfied by the allotment to the vendors of the equivalent of 350,000 new shares at the price of 32c a share.
January 28, 1954.....	431,240	144 mining claims in the Province of New Brunswick; 8 mining claims in Dalquier Township in the Province of Quebec; 35 mining claims in the Montreal River Mining Division of Ontario; 20 mining claims in Croft Township, Province of Ontario; and 11 mining claims in the Temagami area, Province of Ontario; acquired for the price of \$293,243.20, fully paid and satisfied by the allotment to the vendors of the equivalent of 431,240 new shares at the price of 68c a share.
July 21, 1955.....	10,000	10 mining claims in the Temagami area of the Province of Ontario acquired for the price of \$10,000, fully paid and satisfied by the allotment to the vendors of 10,000 shares at the price of \$1.00 a share.
December 27, 1955 ....	20,000	400,000 shares of Inmont Copper Mines Limited were purchased from Abex Mines Limited for \$20,000.00, fully paid and satisfied by the allotment to Abex Mines Limited of 20,000 shares at the price of \$1.00 per share.
Total.....	811,240	

This listing statement is a copy of the listing application made by the applicant company. The Exchange has received no consideration in connection with the issue of this listing statement other than the customary listing fee. The papers and exhibits submitted by the applicant company in support of the listing application are open for inspection at the general office of the Exchange.



10. Full details of all shares sold for cash.	<div>Date</div> <div>No. of Shares</div> <div>Price per Share</div> <div>Amount realized by Company</div>
	<div>Prior to Change in Capitalization</div> <div> April 8, 1952.....15,628 old shares at \$1.60 per share, equivalent to 78,140 new shares at 32c per share..... \$ 25,004.80  July 31, 1952.....1,875 old shares at \$1.60 per share, equivalent to 9,375 new shares at 32c per share..... 3,000.00  February 7, 1953.....1,250 old shares at \$1.60 per share, equivalent to 6,250 new shares at 32c per share..... 2,000.00  June 11, 1953.....5,000 old shares at \$2.00 per share, equivalent to 25,000 new shares at 40c per share..... 10,000.00 </div> <div>Subsequent to Change in Capitalization</div> <div> February 13, 1954..... 2,500 new shares ..... \$1.00 ..... 2,500.00  November 11, 1954..... 10,000 new shares ..... 1.00 ..... 10,000.00  November 19, 1954..... 23,000 new shares ..... 1.00 ..... 23,000.00  November 19, 1954..... 50,000 new shares ..... .50 ..... 25,000.00  December 16, 1954..... 50,000 new shares ..... .50 ..... 25,000.00  December 24, 1954..... 2,000 new shares ..... .50 ..... 1,000.00  January 3, 1955.....100,000 new shares ..... .50 ..... 50,000.00  February 1, 1955..... 5,000 new shares ..... 1.00 ..... 5,000.00  March 1, 1955..... 5,000 new shares ..... 1.00 ..... 5,000.00  April 1, 1955..... 35,000 new shares ..... 1.00 ..... 35,000.00  October 1, 1955*..... 50,000 new shares ..... 1.00 ..... 50,000.00  January 1956.....250,000 new shares ..... 1.00 ..... 250,000.00  January 1956**..... 1,405 new shares ..... 1.00 ..... 1,405.00  <div>702,670</div> <div>\$522,909.80</div> <div>*5,000 of these shares are allotted and to be issued.</div> <div>**Payment has been made for these shares which are to be allotted and issued forthwith.</div> </div>
11. Total number of shares issued.	1,507,505.
12. Number of shares now in treasury or otherwise unissued.	1,492,495 (of which 6,405 shares are to be issued forthwith).
13. Particulars of any issued shares held in trust for the Company or donated for treasury purposes.	None.
14. Date of last annual meeting.	May 17, 1954 (meeting to be called for January 30, 1956.)
15. Date of last report to shareholders.	January 13, 1956.
16. Details of any treasury shares (or shares issued subject to payment or shares held for the benefit of the treasury) now under option or the subject of any underwriting or sales agreement. If none, this to be stated.	(a) By agreement dated October 27th, 1954, Northfield Mines Inc. having an office at Toronto, Ontario, underwrote 20,000 shares at \$1.00 per share and secured options on 185,000 shares at \$1.00 per share. Subsequently, Northfield Mines Inc. assigned the said agreement to Quebec Metallurgical Industries Limited of Ottawa, Ontario. The underwritten shares and 86,505 optioned shares have been taken up as set out in item 10 above and the balance of the option remaining outstanding is as follows: 48,595 shares at \$1.00 per share until April 1, 1956; 50,000 shares at \$1.00 per share until September 1, 1956. (b) There are outstanding stock purchase warrants entitling the bearers to purchase 125,000 shares at \$1.50 per share until January 2, 1957, and a further 125,000 shares at \$2.00 per share until July 2, 1957.
17. Details of any shares pooled, deposited in escrow, non-transferable or held under any syndicate agreement or control.	551,240 shares, part of the stock issued in payment for properties as set out in item 9, are held in escrow by the Chartered Trust Company at Toronto subject to release only upon the consent of the Ontario Securities Commission and the Board of Directors of the Company, and shall not be transferred, assigned or otherwise dealt with except with the written consent of the Ontario Securities Commission.
18. Details of any registration with or approval or authority for sale granted by or any filing with a Securities Commission or corresponding Government body.	None.
19. Has any application for registration with, or approval or authority for sale by or any filing with a Securities Commission or corresponding Government body ever been refused, cancelled or revoked? If so, give particulars.	In November, 1954, the Ontario Securities Commission accepted a prospectus of the Company for filing, but the prospectus was not renewed.



20. Particulars of any bonds, debentures, notes, mortgages, charges, liens or hypothecations outstanding.	None.
21. Enumerate fully, giving claim or property numbers, approximate acreage, townships and mining camp or oil field:	<p>(a) ONTARIO—9 unpatented mining claims in the Port Arthur Mining Division Nos KK-8810 to KK-8818 incl., approximately 360 acres.</p> <p>—26 unpatented mining claims in the Montreal River Mining Division: Cairo Township Nos. MR-21063-4, MR-21104 5-6, MR-21108-9, MR-21121, MR-21166-7-8, MR-21170; Powell Township Nos. MR-21062, MR-21107, MR-21110 to MR-21120 incl., MR-21122, approximately 1,040 acres.</p> <p>—recorded owner of 50% interest in 20 unpatented mining claims in the Porcupine Mining Division: Robb and Turnbull Townships Nos. P-38351 to P-38359 incl., and P-37758 to P-37768 incl., approximately 760 acres.</p> <p>NEW BRUNSWICK—Parish of Canterbury, County of York—26 unpatented mining claims, described as Nos. 3891-1 to 7 incl., 3891-9 and 10, 5406-2, 5406-11 to 18 incl. (65791-65798 incl.), 6037-9 and 10, 6036-1, 2, 3, 4, 6036-7 and 8, approximately 1,200 acres.</p> <p>(b) None.</p> <p>(c) ONTARIO—owns 50% interest with Broulan Reef Mines Limited in 71 unpatented mining claims in the Porcupine Mining Division: Bristol Township Nos. P-39633, P-39616 to P-39623 incl.; Carscallen Township Nos. P-39624 to P-39632 incl., P-39634-5, P-39814 to P-39819 incl., P-39820 to P-39827 incl., P-39828 to P-39832 incl., P-39833 to P-39841 incl., P-39842 to P-39845 incl.; P-39942 to P-39945 incl., P-39988, P-39924; Whitesides Township Nos. P-39803 to P-39811 incl., P-39812-3; Turnbull Township Nos. P-39846-7, approximately 2,840 acres.</p>
22. Full particulars of any royalties or other charges payable upon production from each individual property.	None.
23. Are any lawsuits pending against the Company or any of its properties, or are there any other circumstances which might affect the Company's position or title adversely? If so, explain fully.	None.
24. Describe plant and equipment on property.	None.
25. Describe development accomplished and planned.	<p>The Company is engaged in scientific prospecting, using geophysical methods from the air and on the ground to locate promising mining properties. The Company's policy is to explore and develop these mining properties until such time as they can be advantageously sold to other mining companies. In this respect the Company is carrying on a profitable business. The Company has already sold its properties in the Temagami area to Temagami Mining Co. Limited for shares of that Company. Temagami Mining Co. Limited is of course presently in production and has recently materially increased the value of its ore reserves. The Company sold its Quebec property to Inmont Copper Mines Limited and presently holds 930,000 shares of that Company's stock. Inmont Copper Mines Limited is presently carrying on diamond drilling work on this property, and underground workings to a depth of 560 feet were previously carried out. With respect to the Company's properties, more particularly described in paragraph 21, the following work has been completed:</p> <p>(a) NEW BRUNSWICK PROPERTIES—Magnetic and electrical and geochemical surveys;</p> <p>(b) PORCUPINE MINING DIVISION PROPERTIES—Airborne and geophysical surveys. Some of the claims have been explored on the ground by geoelectrical surveys;</p> <p>(c) MONTREAL RIVER MINING DIVISION PROPERTY—Geoelectrical survey;</p> <p>(d) PORT ARTHUR MINING DIVISION PROPERTY—Electrical surveys.</p> <p>Diamond drilling is proposed on all important anomalies indicated by the above surveys.</p>
26. Date and author of mining engineer's or petroleum geologist's report filed with this application and available for inspection on request.	Report of J. C. Frantz dated January 14th, 1956.
27. Full particulars of production to date.	None.



28. Have any dividends been paid? If so, give dates, per share rate, and amount paid in dollars on each distribution.	No.
29. Name and address of the solicitor or attorney whose certificate that the applicant is a valid and subsisting company and that the shares which have been allotted and issued were legally created and are fully paid and non-assessable has been filed with the Exchange.	Lang, Michener & Cranston, 50 King Street West, Toronto 1, Ontario.
30. (a) Have any shares of the Company ever been listed on any other stock exchange? If so, give particulars.	No.
(b) Is any application for listing the shares of the Company on any other stock exchange now pending or contemplated? If so, give particulars.	No.
(c) Has the listing of any shares of the Company ever been refused or deferred on any stock exchange? If so, give particulars.	Application dated January 21, 1955, deferred by Listing Committee of Toronto Stock Exchange. Application dated April 1, 1955, refused by Listing Committee of Toronto Stock Exchange. Reason for refusal—Company did not hold sufficient investment securities.
31. Particulars of the principal business in which each director has been engaged during the past five years, giving the length of time, position held and name of employing company or firm.	N. B. KEEVIL—Mining Geophysicist, President and Manager of Mining Geophysics Corporation Limited, President of Temagami Mining Co. Limited, President of Geo-Scientific Prospectors Limited, Room 306, 25 Adelaide Street West, Toronto. C. M. JEPHCOTT—Chemist, Department of Health, Province of Ontario, Director of Toronto Brick Co. Ltd. W. J. K. VANSTON—Special Partner of White, Weld & Co., 40 Wall Street, New York, N.Y., U.S.A. J. B. STREIT—Financier, Member of Toronto Stock Exchange, carrying on business at 80 Richmond Street West, Toronto, Ontario. J. A. HACKETT—General Manager of J. Bradley Streit & Co., Member of Toronto Stock Exchange, carrying on business at 80 Richmond Street West, Toronto.

Dated at Toronto the 27th day of January, 1956.



GEO-SCIENTIFIC PROSPECTORS LIMITED

"N. B. KEEVIL", *President.*

"JAMES L. C. JENNER", *Asst. Secretary-Treasurer.*

STATEMENT SHOWING NUMBER OF SHAREHOLDERS  
as of January 13, 1956

Number	Shares
71 Holders of 1 – 100 shares.....	7,100
92 " " 101 – 1000 " .....	49,480
12 " " 1001 – 2000 " .....	19,100
7 " " 2001 – 3000 " .....	18,215
6 " " 3001 – 4000 " .....	21,000
3 " " 4001 – 5000 " .....	14,725
26 " " 5001 – up " .....	1,127,885
216 Stockholders	Total shares..... 1,257,505



# FINANCIAL STATEMENTS

## Supplemental Financial Information

Since December 31st, the date of the Balance Sheet published below, the Company has received the sum of \$251,405.00 from the sale of an additional 251,405 treasury shares as set out in Item 10, on Page 2, and its cash position and issued capitalization have been increased accordingly.

### BALANCE SHEET as at DECEMBER 31, 1955

#### ASSETS

##### CURRENT:

Cash in bank .....	\$ 78,829.77	
Accounts receivable .....	218.38	\$ 79,048.15

##### INVESTMENTS IN MINING SECURITIES, AT COST:

Listed (Quoted market value \$1,467,300) .....	\$289,806.75	
Unlisted .....	57,625.00	347,431.75

##### MINING CLAIMS:

Acquired for shares, at stated value of issue, per contra .....	\$415,243.20	
Acquired for cash .....	26,490.00	
	<u>\$441,733.20</u>	
Less: Stated values of mining securities received in exchange for claims sold, as defined in related sales agreements .....	258,000.00	183,733.20

##### DEFERRED EXPENDITURE:

Incorporation and organization expense .....	\$ 2,870.00	
Pre-operating mine development and administrative expenses (per schedule) .....	89,908.79	92,778.79

INVESTMENT IN OTHER MINING VENTURES .....		19,021.11
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\$722,013.00

#### LIABILITIES

##### CURRENT:

Accounts payable .....	\$ 12,765.00	
Subscription received for 5,000 shares of capital stock to be issued .....	5,000.00	\$ 17,765.00

#### CAPITAL AND SURPLUS

##### CAPITAL STOCK:

Authorized:  
3,000,000 shares of no par value  
Issued and fully paid:

	<u>Shares</u>	<u>Proceeds</u>
FOR CASH:		
Balance, November 26, 1954 .....	204,265	\$100,504.80
Issued during period .....	242,000	166,000.00
	<u>446,265</u>	<u>\$266,504.80</u>
FOR INVESTMENTS:		
Issued during period .....	20,000	20,000.00
	<u>20,000</u>	<u>20,000.00</u>
FOR MINING CLAIMS:		
Balance, November 26, 1954 .....	781,240	\$405,243.20
Issued during period .....	10,000	10,000.00
	<u>791,240</u>	<u>415,243.20</u>
Balance, December 31, 1955 .....	<u>1,257,505</u> shares	<u>\$701,748.00</u>

Capital surplus, arising from donation of shares of other mining company .....	2,500.00	704,248.00
		<u><u>\$722,013.00</u></u>

The attached note forms an integral part of this balance sheet.

Approved: "N. B. KEEVIL," Director.  
"W. J. K. VANSTON," Director.

Submitted with our report dated January 10, 1956.

TORONTO, Ont.

P. S. ROSS & SONS,  
Chartered Accountants.

#### NOTE TO BALANCE SHEET AS AT DECEMBER 31, 1955

The company has granted an option on 100,000 shares of its capital stock to be issued as fully paid at \$1.00 per share as follows:

exercisable as to 50,000 shares until April 1, 1956  
exercisable as to 50,000 shares until September 1, 1956



## AUDITORS' REPORT TO THE SHAREHOLDERS

Toronto, Ont.,  
January 10, 1956.

GEO-SCIENTIFIC PROSPECTORS LIMITED,  
Toronto, Ontario.

We have examined the balance sheet of Geo-Scientific Prospectors Limited as at December 31, 1955. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying balance sheet presents fairly the financial position of the company as at December 31, 1955.

P. S. Ross & Sons,  
Chartered Accountants.

### STATEMENT OF PRE-OPERATING MINE DEVELOPMENT AND ADMINISTRATIVE EXPENSES FROM THE DATE OF INCORPORATION TO DECEMBER 31, 1955

#### MINE DEVELOPMENT:

Surveying and mapping.....	\$45,717.50	
Diamond drilling.....	15,109.94	\$60,827.44

#### ADMINISTRATIVE EXPENSES:

Legal and audit.....	\$10,657.13	
Fees and licenses.....	2,307.07	
Stationery and supplies.....	485.63	
Telephone and telegraph.....	114.19	
Travel.....	607.50	
Advertising.....	3,654.62	
Administration fee.....	2,300.00	
Registrar and transfer agent's fees.....	893.72	
Commission on sale of shares.....	3,450.00	
Options on mining claims abandoned and written off.....	4,575.00	
Miscellaneous.....	36.49	29,081.35
		<u>\$89,908.79</u>

### STATEMENT OF SHAREHOLDINGS IN OTHER MINING COMPANIES

The following is a list of shares in other mining companies held by Geo-Scientific Prospectors Limited as of January 27th, 1956.

TEMAGAMI MINING CO. LIMITED.....	621,382 shares
INMONT COPPER MINES LIMITED.....	930,000 shares

JAMES L. C. JENNER *Asst. Secretary Treasurer*

## MINING ENGINEER'S REPORT

### REPORT ON PROPERTIES HELD BY GEO-SCIENTIFIC PROSPECTORS LIMITED GRIPP LAKE, TASHOTA AREA PROPERTY

Geo-Scientific Prospectors Limited holds nine (9) contiguous claims KK8810 to KK8818 inclusive, in the Tashota Area, Port Arthur Mining Division, Province of Ontario. The property is accessible by aircraft which can land on nearby lakes.

Government geological maps indicate that the property is underlain by the same series of sediments and schists which serve as host rock for the Teck-Hughes copper discoveries nearby.

There is no record of work carried out on the property prior to its acquisition by Geo-Scientific Prospectors. An electrical resistivity survey has been completed by the company and any further work should be guided by the results of the survey.

#### NEW BRUNSWICK PROPERTIES

Geo-Scientific Prospectors Limited holds two groups of claims in the Parish of Canterbury, County of York, Province of New Brunswick. The properties are accessible from No. 2 Highway.

#### MEDUCTIC GROUP

The Meductic group consists of ten (10) contiguous claims — 3891-1 to 7 inclusive, 3891-9 and 10, 5406-2.

The property is underlain by steeply-dipping Paleozoic sediments which have been intruded by Devonian granites. Most of the property is overburden covered, but a few exposures of quartzite and argillite have been mapped. Highly sheared rocks exposed along a creek, which crosses the property, are believed to indicate a major North-East fault.

Geophysical and geochemical surveys have been completed by Geo-Scientific Prospectors. The results of this work indicated strong electrical anomalies, probably due to graphite. One short diamond drill hole has been bored, but it did not completely cross-section the anomaly.



### TEMPLE GROUP

The Temple group consists of sixteen (16) contiguous claims — 6037-9 and 10, 6036-1, 2, 3, 4, 7 and 8, and 65791 to 65798 incl. (5406-11 to 18 incl.).

Most of the property is covered by overburden, but occasional exposures of steeply-dipping Paleozoic sediments have been observed.

Electrical geophysical and geochemical surveys have been carried out by Geo-Scientific Prospectors Limited and two strong electrical anomalies indicated.

#### RECOMMENDATIONS

Exploratory diamond drilling to test the electrical anomalies is recommended.

### KAMISKOTIA PROPERTIES

Geo-Scientific Prospectors Limited holds a 50% interest in 91 mining claims in Robb, Jamieson, Bristol, Carscallen and Whitesides Townships, Kamiskotia area, Porcupine Mining Division, Province of Ontario. The claims are accessible by trail from a motor road leading from the Town of Timmins twelve miles to the south-east of the area.

Geo-Scientific Prospectors has carried out a regional airborne magnetometer and electromagnetic survey which covers all their properties in the area.

### TURNBULL GROUP

The Turnbull group, which consists of eleven (11) contiguous claims — P37758 to P37768 incl. — located in the Northeast section of Turnbull Township.

The southern contact of a large gabbro intrusive passes through the centre of the group. Keewatin-type volcanic rocks underlie the southern section of the property. These volcanic rocks include both acid and basic types.

Geo-Scientific Prospectors have carried out an electrical geophysical survey on the lake portions of the property. There is no record of previous work done on these claims.

### ROBB TOWNSHIP, EAST GROUP

Geo-Scientific Prospectors Limited holds a 50% interest in the Robb Township, East Group, which consists of 9 contiguous claims, P38351 to P38359, on the eastern side of Kamiskotia Lake in Robb Township.

The northern section of the property is underlain by Keewatin-type volcanic rocks. The southern section is underlain by granitic rocks and gabbro which are intrusive into the older volcanics. North-South diabase dikes cut all other rock types on the property.

An electrical geophysical survey was carried out by Geo-Scientific Prospectors Limited. There is no record of work by previous owners.

### BRISTOL-CARSCALLEN GROUP

Geo-Scientific Prospectors Limited holds a 50% interest in a group of 20 contiguous claims, P39616 to P39623 incl., and P39633, located in Bristol Township, and P39624 to P39632, P39634 to P39635 in Carscallen Township, District of Cochrane, Province of Ontario.

The property is accessible by trail from a motor road approximately two miles to the southeast.

The claims are underlain by Keewatin-type volcanic rocks which have been intruded by quartz porphyry and diabase dikes. There is no record of work carried out by previous owners, however, in a preliminary examination of the property a few small trenches and X-Ray diamond drill holes were found near a porphyry dike on the Bristol-Carscallen Township line.

An airborne magnetometer and electromagnetic survey was carried out by the present owners. A limited amount of reconnaissance work was done on the ground to check anomalies outlined by the airborne survey.

### WHITESIDES-CARSCALLEN GROUP

Geo-Scientific Prospectors Limited holds a 50% interest in 51 contiguous claims as follows: P39814 to P39845 incl., P39924, P39942 to P39945 incl., P39988 in Carscallen Township; P39803 to P39813 incl., in Whitesides Township; and P39846, P39845 in Turnbull Township, District of Cochrane, Province of Ontario.

The old Whitesides winter road passes within  $\frac{1}{4}$  miles of the property, but considerable work would probably be necessary to rehabilitate it. Aircraft can land on lakes within two miles of the claims.

The property is located along the contact between Keewatin-type volcanic rocks and a large gabbro intrusive. Quartz porphyry and diabase dikes cut both the volcanics and gabbro. Copper-nickel mineralization has been discovered in the area and associated with the gabbro intrusive.

An airborne magnetometer and electromagnetic survey was carried out by the present owners and several anomalies outlined. There is no record of work by previous owners of the claims.

#### CONCLUSIONS AND RECOMMENDATIONS

Base metal mineralization is widespread in the Kamiskotia area. Copper and zinc, mainly along the contacts between rhyolite and more basic volcanic rocks, occurs in Robb, Jamieson and Godfrey Townships. Nickel and copper occurrences have been discovered in the basic intrusives in Robb, Turnbull and Whitesides Townships.

It is recommended that the properties not already covered by geophysical surveys be surveyed using an electrical geophysical method.

### MATACHEWAN PROPERTIES

Geo-Scientific Prospectors Limited holds twenty-six (26) mining claims in three groups in the Matachewan Area, Montreal River Mining Division, Province of Ontario. The claims are included in the area covered by a regional aero-magnetic survey carried out by Geo-Scientific Prospectors Limited.



### STIMINIKAN LAKE PROPERTY

The property consists of six claims MR21114 to MR21119 incl., located in Powell Township, District of Timiskaming, Province of Ontario. The claims may be reached by boat along the Montreal River from Highway No. 65.

The claims are underlain by Keewatin-type volcanic rocks which have been intruded by basic and ultra-basic rocks. A major north-south fault along Mistinikan Lake traverses the eastern end of the property. The former New Ryan Lake Mines, located about  $1\frac{1}{4}$  miles to the east on the same belt of volcanic rocks, is presently mining and milling copper ore.

An electrical resistivity survey carried out by Geo-Scientific outlined two anomalies. There is no record of previous work on the property.

### WEST MONTREAL RIVER PROPERTY

The property consists of 13 claims MR21109 to MR21113 incl., MR21120 to MR21122 incl., MR21166 to MR21168 incl., and MR21170, located on Highway No. 65 at the Town of Matachewan in Powell and Cairo Townships, District of Timiskaming, Province of Ontario.

The claims are underlain by steeply-dipping Keewatin-type volcanic rocks on the south limb of an east-west trending synclinal belt of Timiskaming sediments. These older rocks in the southern section of the property are covered by a layer of gently-dipping Cobalt sediments.

An electrical resistivity survey carried out by Geo-Scientific Prospectors Limited outlined several anomalies in the eastern portion of the property. There is no record of any work carried out by previous owners.

### OLD WOMAN RAPIDS PROPERTY

The property consists of 8 claims MR21104 to MR21108 incl., and MR21062 to MR21064 incl., located in Powell and Cairo Townships, District of Timiskaming, Province of Ontario. The claims are accessible by boat from the Town of Matachewan or by trail from Highway No. 65.

The contact between an east-west trending synclinal belt of Timiskaming sediments and Keewatin volcanic rocks passes through the central part of the claims, the southern portion of the property being underlain by Keewatin rocks. A major north-south fault has been mapped immediately to the east of the property. The former New Ryan Lake Mines located approximately  $1\frac{1}{2}$  miles to the southwest is the only base-metal producer in the area.

An electrical resistivity survey carried out by Geo-Scientific outlined a number of anomalies.

### CONCLUSIONS AND RECOMMENDATIONS

The claims are located in a favourable geological environment. Geophysical surveys have outlined anomalies which may be the expression of sulphide deposits.

It is recommended that the anomaly areas be investigated by geological mapping and detailed electrical self-potential surveying to guide trenching and/or diamond drilling.

J. C. FRANTZ,  
Geologist.

January 14, 1956.

### CERTIFICATE

I, J. C. FRANTZ, of the City of Toronto, Province of Ontario, do hereby declare:

1. That I am a geological engineer and reside at 3198 St. Clair Avenue East, Toronto 16, Ontario.
2. That I am a graduate of  
University of Saskatchewan — Bachelor of Science in Geological Engineering.  
University of Toronto — Master of Arts, specializing in Economic Geology.  
and have practised the profession of geologist for eight years.
3. That I have no direct, indirect, or anticipated interest in the properties or securities of Geo-Scientific Prospectors Limited.
4. That the foregoing reports are based on
  - (a) Personal examination of the properties as follows:  
Matachewan — all groups — October 28 to November 26, 1953.  
New Brunswick — all groups — November 1954, September 1955.  
Kamiskotia — Bristol-Carscallen & Robb groups — May and June, 1955.
  - (b) Published geological and aeromagnetic maps covering the properties. Examination and interpretation of aeromagnetic maps of Matachewan Area and Kamiskotia Area.
  - (c) Geophysical maps and reports of Matachewan, Kamiskotia, Tashota and New Brunswick properties.

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